

April 12, 2002

Dear District Resident:

Below you'll find a draft version of the *District of Columbia Residential Traffic Calming Policies and Guidelines*, the product of a cooperative effort by the Howard University Transportation Research Center and the District Department of Transportation (DDOT), funded by DDOT and the Federal Highway Administration. Upon its completion, DDOT will use the document as the foundation of its residential traffic calming program.

Residential traffic calming is a topic that has generated much interest in the District. For this reason, DDOT is posting this draft document on its Web site. We think this will serve two purposes – it will provide information on traffic calming to eager residents and also help to gather their input on both this document and the city's approach to traffic calming. Please give any comments by May 17th to John Frankenhoff of my office, who can be reached at john.frankenhoff@dc.gov or (202) 671-2234.

A few clarifications about the document follow:

- A few citizens have asked about the need for a document like this, considering the vast amount of traffic calming information that is readily available. DDOT's feeling is that while it is true that there is an abundance of such information, this document attempts to distill it for both community members and DDOT officials in a manner consistent with the District's context, with the hoped-for result a set of policies and guidelines that make sense for the District. It should also be noted that the process of creating and reviewing this document has stimulated valuable internal dialogue on our current and future traffic calming efforts.
- The estimated costs of various traffic calming measures in the document are just that – estimated. Implementation costs will vary based upon the circumstances of each installation.
- A few citizens requested that, if possible, we include photographs of local examples of the various traffic calming measures to better educate the public. We have not yet done this, but we hope to and will keep you apprised of our progress.

Using this document, DDOT will begin installing demonstration traffic calming measures in various parts of the city later this year.

Finally, let us emphasize that this document is still a draft. As such, it's not yet perfect. We look forward to receiving your input to move it in that direction.

Sincerely,

Kenneth G. Laden
Associate Director

DISTRICT OF COLUMBIA RESIDENTIAL TRAFFIC CALMING POLICIES AND GUIDELINES

DRAFT FINAL REPORT

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GOVERNMENT OF THE DISTRICT OF COLUMBIA
Anthony A. Williams, Mayor

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GLOSSARY OF TERMS

Arterials – Roadways that generally conduct vehicular traffic between collector streets and highways. Traffic is supposed to move on a sequence through the hierarchy of streets: residential to collector to arterial to highway, and then back down the hierarchy.

Bulbout – An extension of a curb in the form of a bulb, usually at an intersection, that narrows the vehicular pathway and inhibits fast auto turns.

Chicane – Series of fixed objects, usually curb extensions, which turn a straight roadway into a zigzagging one to slow vehicles.

Choker – Narrowing of a street to reduce speeds. Often deployed mid-block and sometimes at an intersection. May be done with curb extensions, landscaping or islands in the street.

Circle – A small island in mid-intersection (usually from 16 to 25 feet in diameter) that forces traffic to slow and negotiate the curve. When used in residential areas, they can be landscaped for aesthetic or barrier purposes and may have mountable curbs to facilitate rapid movement of emergency vehicles.

Collectors – Intermediary streets that funnel vehicular traffic from residential streets to arterials and back. They are typically 40 feet wide.

Diagonal Diverter – Partition that connects two diagonally opposite curbs, bisecting an intersection, to force motor vehicles to slow down and turn. A traversable diverter is a diagonal diverter that allows emergency vehicles, as well as bicyclists and pedestrians, to cross it.

85th Percentile Speed – The speed at or below which 85% of the free flowing vehicles are traveling.

Gateways – Usually alterations in the pavement surface, using materials such as brick, stamped concrete or different-colored pavement, which signal to the driver that he or she is entering a neighborhood or community that may require lower speeds. Pillars and archways are also sometimes used. Also known as entry treatments.

Level of Service/Capacity – Qualitative measure describing operational conditions within a traffic stream, generally in terms of such factors as speed and travel time, freedom to maneuver, traffic interruptions, comfort and convenience, and safety. It ranges from A (ideal) to F (breakdown).

Median – Island in the center of a street or intersection to protect pedestrians and provide landscaping. Medians prevent passing, left turns, separate opposing travel lanes and provide visual enhancement.

Median Slow Points – Center-located barriers dividing opposing roadway travel lanes at either intersections or midblock.

Neckdown – Extensions of a curb in the form of a bulb, usually at an intersection, that narrows the vehicular pathway, thereby slowing vehicle speeds and inhibiting fast turns. They also make pedestrian crossing distances shorter.

Raised Crosswalk – A traditional pedestrian crossing area raised to give better visibility to the crossing area. Further, its raised nature interrupts drivers' momentum and signals that they should yield to pedestrians.

Rumble Strips – Paving or markings that create a change of texture in the road surface, signaling the driver to slow down.

Signage – Traffic and roadway signs.

Speed Bumps, Humps and Tables – Raised pavement designed to slow traffic speeds. The terms are used interchangeably by the public and many municipalities, but some engineers define a speed bump as a narrow, abrupt strip found mostly in parking lots, speed humps as generally rounded and 14- or 22 feet from start to finish and speed tables as having a 10-foot flat-topped section. Usually they are all about 3-6 inches high.

Speed Study – A study to measure, collect and statistically analyze the speeds of vehicles.

Study Area – The boundary of the problem area, which may cross traditional neighborhood boundaries.

Traffic Calming – Methods used to reduce vehicular speed and volume, and increase the sharing of streets by pedestrians and other users. Generally refers to physical measures and roadway design changes, but enforcement and education can be components.

Traffic Calming Measure – An element of a traffic calming plan selected from among those devices.

Traffic Calming Study – An appraisal of traffic conditions and the development of a plan for implementing one or more traffic calming devices.

Warrants – The minimum criteria necessary to call for a roadway solution, such as installation of a stop sign or traffic calming device. Typically required are objective measures such as speed surveys, traffic volume studies and accident records.

LIST OF ACRONYMS

AASHTO – American Association of State Highways and Transportation Officials

ANC – Advisory Neighborhood Commission

DDOT – District of Columbia Division of Transportation

HCM – Highway Capacity Manual

ITE – Institute of Transportation Engineers

ITS – Intelligent Transportation Systems

MUTCD – Manual on Uniform Traffic Control Devices

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